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LAB - 2
16/10/24
    Develop a jana program to oceate a class
       Student with members USN, name, an average
       credits and an away marks. Include methods to
       accept and display details and a method to
       calculate SGIPA of a student.
       import jana. util. Scanner;
       class Student
       String name;
       String USN;
       int oredits [] = new int [5];
       int marks [] = new int [5];
       double sgpa = 0.0;
       double cgra;
        int grade [] = new int [5];
       double calculate (int m[], int c[])
        double sum = 0.0;
        int div = 0;
        for (j=0; j<5; j++)
        if (m(i) != 100)
         gradeli] = (m(i] +10)/10;
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grade [i] = 10;
 div = credits (i) + div;
sum = sum + (grade (i)) * oredity (i));
System. out- print In ("breade for subject"
+ (i+1)+":"+ grade [i]);
sapa = sum /div;
System. out- print ln ("SGIPA:"+ sgpa);
return sgpa;
double salgea (double sgrai, double sgraz)
   cgPa = (sgPa1 + sgPa2)/2;
return cgPa;
void input ()
Scanner SC = new Scanner (System. in);
System. out print la ("Enter subject credit for senester:");
for (i = 0; i < 5; i++)
aredity [i] = sc. nent Int ();
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System. out. print la ("Enter marks for suliject:");
  marky (i) = sc. nent Int ();
Rullie static void main (String args []) {
Scanner SCI = new Scanner (System. in);
System out - print la ("Enter number of students");
int n = SCI. next ant ();
Student obj[] = new Student [n];
for (K=0; K(n; K++)
Obj (K) = new Student ();
System. out- print In ("Enter student name:");
name = Scine;
System. out- print In ("Enter student USN")
USN = SCI. next line ();
Obj [K] . input ();
System- out- print ln ("Semester 1");
double result = obj [K]. calculate (obj [K]. marks,
Obj [K] veedits):
System. seit. fruit In ("Ist Semester SG.PA for" + Obi (k). name
+ "(" + Obi [K]. USN +") is: " + seesult );
System. seit- Brutln (" Semester 2");
Obj [K]. Enput ();
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double result 2 = obj [K]. calculate (obj (K] - marks, obj (K). oredity); System- out- print ln ("2nd Semester SG. PA for" + obj [K]. name + " (" + obj [K]. USN +") is : " + result 2); System. out-frient ln ("COIPA for 1st year is:"
+ Obi (K) - cologra (result, result 2)); Seen Output Enter number of students Enter student USN Enter subjects oredits for semester 3 3

	Enter marks
	85
	90
	91
	90
	89 ((5 +3), 10 + 11 + 10 + 10 + 10 + 10 + 10 + 10
	78
	70
	95
	Semester 1
	Crorade for subject 1:9
	Grade for subject 2:10
	Crade for sulyest 3: 10
	Grade for subject 4: 10
	Crade for sulyéd 5: 9
	Grade for subject 6: 8
	Grade for sulyed? : 8
	Grande for subject 8: 10
	SGPA = 9-23
	1st Semester SGPA for null (null) is: 9.25
	Semestor 2
	Enter credits
/	3
	3
	3
	3
	3
	3
	3
	3

Enter marke 90 98 95 96 87 85 80 89 Creade for subject 1 = 10 Broade for sulyed 2: 10 sulyeet 3 : 10 sulyed 4: 10 subject 5 : 9 subject 6 = 9 sulyted ? = 9 sulyed &: SGIPA: 9.5 2nd semester SGIPA for null (null) is: 9.5 CGIPA for first year is: 9.375